

ABSTRACT

Reelin protein itself is further studied for its functions in vertebrates to achieve appropriate diagnosis and treatment of brain disorders resulting from an abnormal *reelin* gene and abnormally positioned neurons. The present invention provides an epitope region polypeptide of Reelin protein, which comprises a CR-50 antibody recognition site of Reelin protein, but comprises neither a F-spondin domain nor a repeat site; as well as a polynucleotide encoding the polypeptide.